

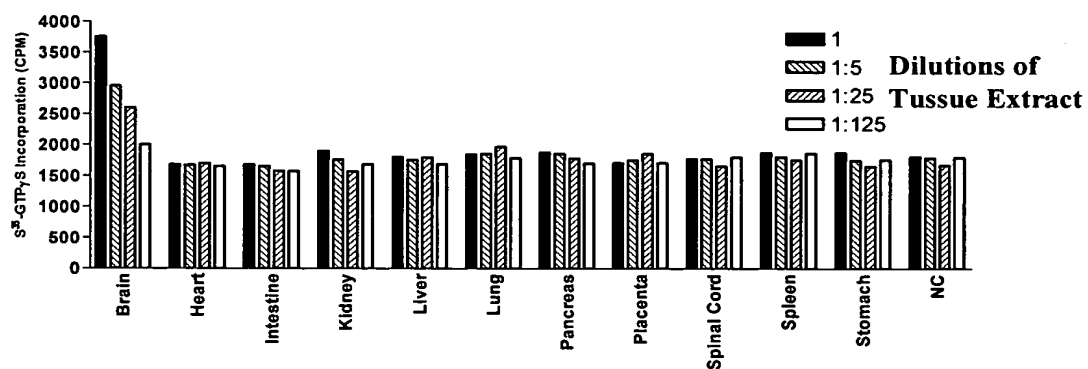
Figure 1.

Consensus	MQ.A.A...A...KAA.GD.L...F.L.PDLLE.AN.S.NASLQL.DLWWELGLELPDGAAPGHPPG.GGAES.DTEAR
Human	MQMADAATIATMNKAAGGDKLAELFSLVPDLLEAANTSGNASLQLPDLWWELGLELPDGAAPGHPPGSGGAESADTEAR
Mouse	MQVASATPAATVRKAAAGDELSEFFALTPLDLEVANASGNASLQLQDLWWELGLELPDGAAPGHPPGSGGAESTDTEAR
Rat	MQVASATTAAPMSKAAAGDELSGFFGLIPDLLEVANRSSNASLQLQDLWWELGLELPDGAAPGHPPGSGGAESADTEAR
Consensus	VRILIS.VYWVVCALGLAGNLLVLYLMKS.QGWRKSSINLFVTNLALTDQFVLTLPFWAVENALDFKWPF GKAMCKIV
Human	VRILISVYVWVVCALGLAGNLLVLYLMKSMQGWRKSSINLFVTNLALTDQFVLTLPFWAVENALDFKWPF GKAMCKIV
Mouse	VRILISAVYVWVVCALGLAGNLLVLYLMKSKQGWRKSSINLFVTNLALTDQFVLTLPFWAVENALDFKWPF GKAMCKIV
Rat	VRILISAVYVWVVCALGLAGNLLVLYLMKSKQGWRKSSINLFVTNLALTDQFVLTLPFWAVENALDFKWPF GKAMCKIV
Consensus	SMVTSNMNYASVFFLTAMSV.RYHSVASALKSHRTRG.GRGDCCG.SL..SCCFSAK.LC..IWA.AA.ASLP..IFST
Human	SMVTSNMNYASVFFLTAMSVTRYHSVASALKSHRTRGHGRGDCCGRSLGDSCCFSKALCVWIWALAALASLPSAIFST
Mouse	SMVTSNMNYASVFFLTAMSVARYHSVASALKSHRTRGRGRGDCCGQSLRESCCFSAKVLCLIWASAAIASLPN AIFST
Rat	SMVTSNMNYASVFFLTAMSVARYHSVASALKSHRTRGHGRGDCCGQSLGESCCFSKAVLCGLIWASAAIASLPN VIFST
Consensus	T..V.GEELCL..FPDKLLG.DRQFWLGLYH.QKVLLGF.LPL.II.LCYLLLVRFI.DRR..GT.....A...GG..
Human	TVKVMGEELCLVRFPDKLLGRDRQFWLGLYHSQKVLLGFVLP LGIIILCYLLLVRFIADRRAAGTK---GGA AVAGGRP
Mouse	TIRVLGEELCLMHFPDKLLGWDRQFWLGLYHLQKVLLGFLLPLSIIISLCYLLLVRFISDRRVVGT TDAVGAAAAPGGGL
Rat	TINVLGEELCLMHFPDKLLGWDRQFWLGLYHLQKVLLGFLLPLSIIISLCYLLLVRFISDRRVVGT TDG---ATAPGSSL
Consensus	..A.ARR.SKVTKSVTIVVLSFFLCWLPNQALT TWSILIKFN.VPFSQEYF.CQVYAFPVSVCLAHSNSCLNP.LYCLV
Human	TGASARRLSKVTKSVTIVVLSFFLCWLPNQALT TWSILIKFNVPFSQEYFLCQVYAFPVSVCLAHSNSCLNPVLYCLV
Mouse	STASARRRSKVTKSVTIVVLSFFLCWLPNQALT TWSILIKFNVPFSQEYFQCQVYAFPVSVCLAHSNSCLNP ILYCLV
Rat	STAGARRRSKVTKSVTIVVLSFFLCWLPNQALT TWSILIKFNVPFSQEYFQCQVYAFPVSVCLAHSNSCLNP ILYCLV
Consensus	RREFRKALK.LLWRIASPS.T.MRPFTATTKEP.ED.GLQA.AP..A.AEPDL.YYPPGVVVYSGGRYDLLPSSSAY
Human	RREFRKALKSLLWRIASPSITSMRPFTATTKEPEDQGLQAPAPPHAAAE PDLLYYPPGVVVYSGGRYDLLPSSSAY.
Mouse	RREFRKALKNLLWRIASPSLTNMRPFTATTKEPE DHGLQALAPLNAAAE PDLIYYPPGVVVYSGGRYDLLPSSSAY.
Rat	RREFRKALKNLLWRIASPSLTSMRPFTATTKEPE DHGLQALAPLNATAE PDLIYYPPGVVVYSGGRYDLLPSSSAY.

**Title: *Relaxin3-GPCR 135 Complexes And
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Inventor(s): Chen et al
Docket No. PRD2045NP-US
Appln. No.: To Be Assigned

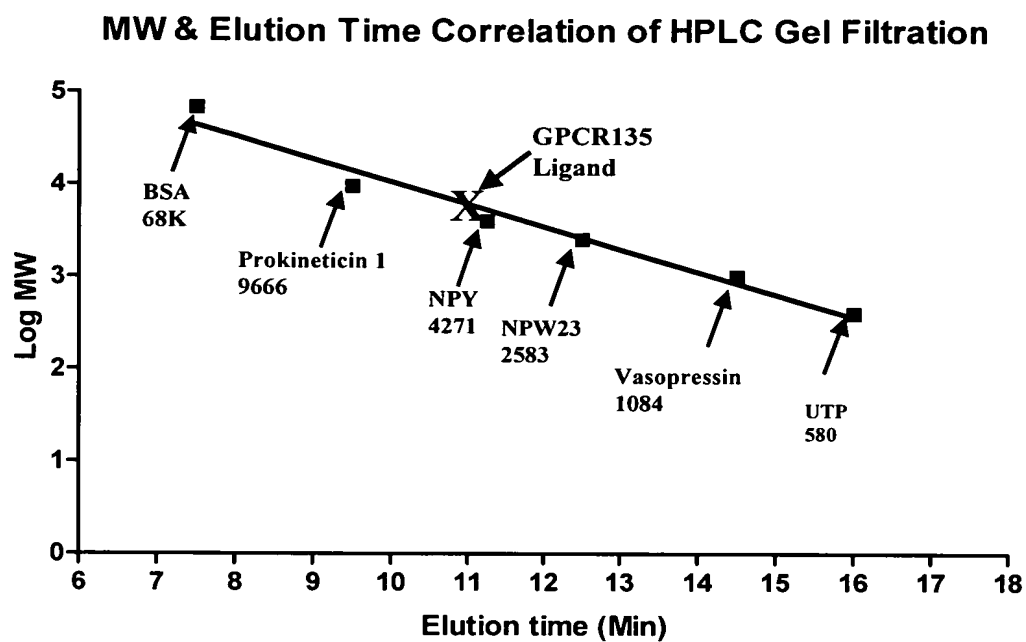
Figure 2.

GPCR135 Ligand Activity in Different Tissues



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Figure 3.



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Figure 4.

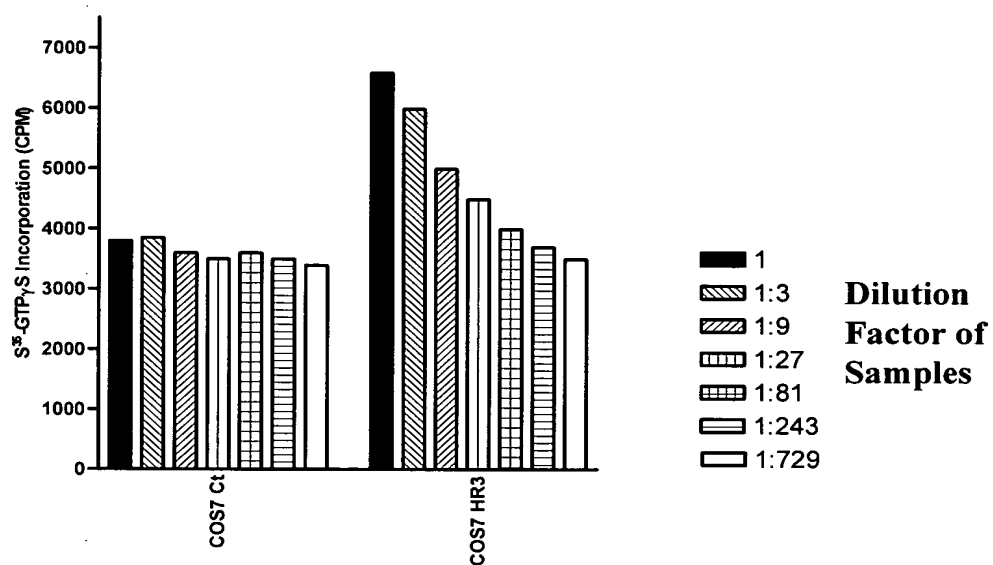
	A Chain	B Chain
Human R3:	DVLAGLSSSS CK WG CS KSEIS SLC	RAAPYGVRL CG REFIRAVIFT CGG SRW
Mouse R3:	DVLAGLSSSS CE WG CS KSQIS SLC	RPAPYGVKL CG REFIRAVIFT CGG SRW
Rat R3:	DVLAGLSSSS CE WG CS KSQIS SLC	RPAPYGVKL CG REFIRAVIFT CGG SRW
GPCR135 Ligand:	DVLAGLSSN XX KWG X SKSEI....	RASPYGVKL XG REFIRAVIF....

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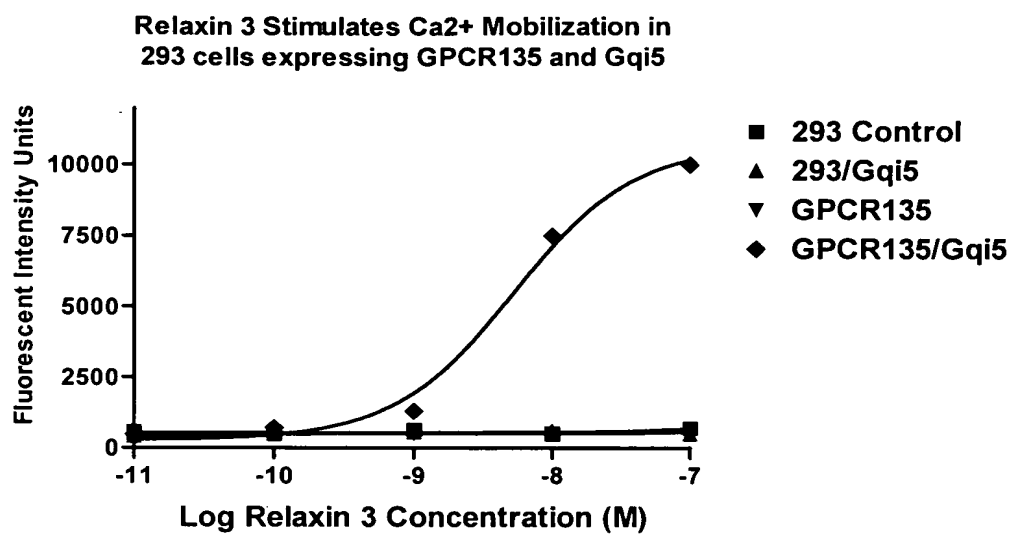
Figure 5.

**GPCR135 Ligand Activity in Cell Culture Medium of Relaxin 3
Transfected COS7 Cells**



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Figure 6.



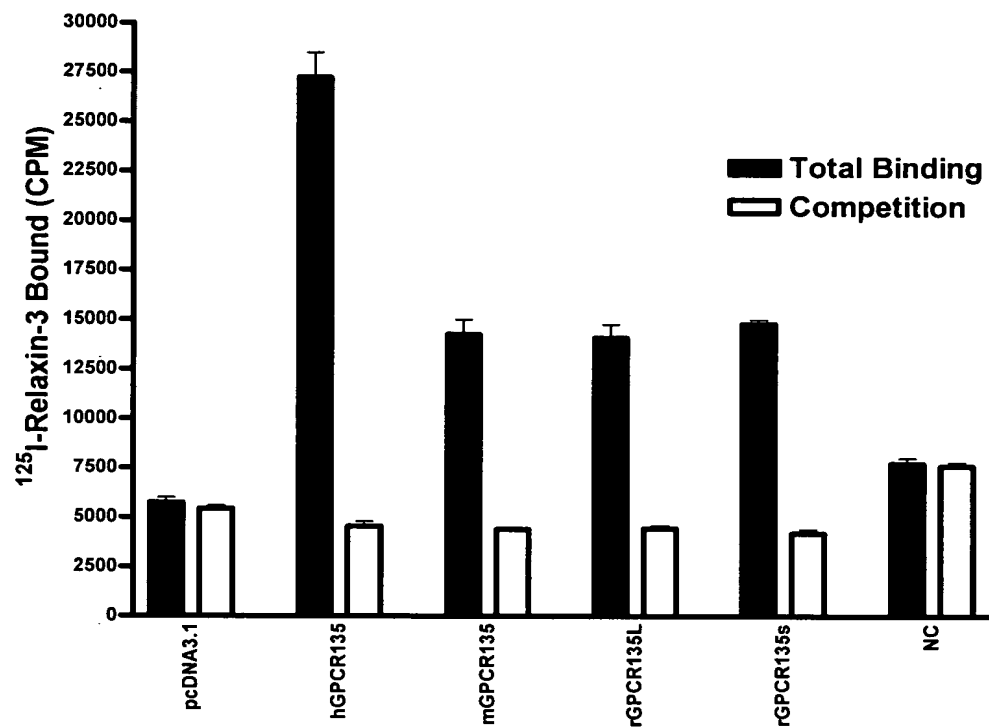
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Figure 7.



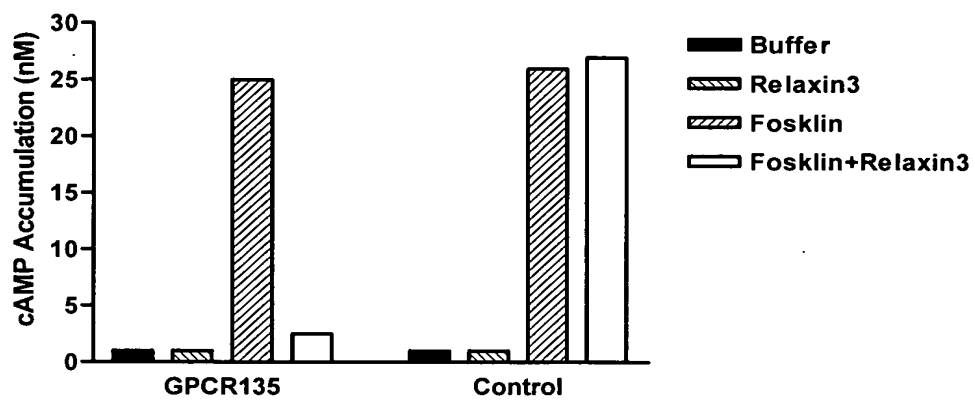
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Figure 8.



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